



Heating and Cooling: Mapping and Planning of Energy Systems

Guest Editors:

Dr. Simon Pezzutto

Institute for Renewable Energy,
European Academy of Bolzano
(EURAC Research), Viale Druso 1,
39100 Bolzano, Italy

Dr. Antonio Novelli

Institute for Renewable Energy,
EURAC Research,
Bolzano/Bozen, Viale Druso 1,
39100 Bozen, Italy

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Heating and cooling (H&C) in buildings and industry accounts for half of EU's energy consumption. While the EU heating market is already well researched since decades, there is a lack of information concerning cooling. Almost no data is available for the air-conditioning (AC) part. A proper investigation to determine this type of information has not been carried out yet. In contrast to space heating, space cooling consumption is growing and growing at EU level.

The availability of spatialized data on buildings and industry as well as on its energy need (in particular on H&C) at multiple level, is crucial for sustainable strategic heating and cooling planning. In this sense, one of the most important challenges today concerns district heating/cooling (DHC) plants.

This Special Issue will gather original research in the field of mapping and planning of energy systems (in particular on H&C). Suitable topics include, but are not limited to, the following: space heating, space cooling, domestic hot water (DHW), process heat, process cooling, small power appliances, electricity network, demand response, mapping, remote sensing, big data and planning.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)